



## ACF-15-440

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ACF-15-440, Power capacitor with contactor and fuses

Code: R3S431. (CONSULTAR DISPONIBILIDAD)

- > Fuses (A): 35
- > Cable section (mm<sup>2</sup>): 10
- > In (A): 20
- > kvar (400 V): 12,5
- > kvar (440 V): 15
- > Cut off power: 120 kA
- > Use voltage (V): 440
- > Type of protection: contactor and fuse

### Description

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The fixed capacitors of the ACF series are single-step units that have been designed for Power factor correction procedures under constant load.

### Application

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Its application is mainly focused on the compensation of motors, transformers and installations under constant load, providing a signal that connects to the capacitor with a contactor switching operation.



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CS Capacitor with contactor and fuses

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### Specifications

#### Electrical characteristics

|                             |  |
|-----------------------------|--|
| Discharge resistance        | 75 V / 3 min   |
| Surge                       | 10 % 8 h over 24 h 15 % up to 15 min over 24 hours 20 % up to 5 min over 24 hours 30 % up to 1 min over 24 hours |
| Manoeuvre voltage           | Contactors: 230 V  |
| Reinforcement voltage       | 400 V  |
| Tolerance C                 | ± 10 % sobre la capacidad  |
| Voltage                     | 400 V  |
| Insulation voltage, circuit | 3 kV   |

#### Mechanical characteristics

|                                  |                                 |
|----------------------------------|---------------------------------|
| Size (mm) width x height x depth | 360 x 814 x 196 (mm)            |
| Envelope                         | RAL 7035 Grey / RAL 3005 Garnet |
| Fastening                        | Vertical                        |
| Ventilation                      | Natural                         |
| Weight (kg)                      | 13                              |

#### Environmental characteristics

|  |  |
|--|--|
| Protection class                         | IP 21  |
| Relative humidity (without condensation) | 80%  |
| Working temperature                      | T <sup>a</sup> class D: Daily average: 45 °C, annual average: 35 °C, maximum: 50 °C, minimum: -25 °C |

#### Standards

|                                       |  |
|---------------------------------------|--|
| Certifications                        | VDE 560  |
| Electrical safety, Maximum height (m) | 2000   |
| Standards                             | IEC 60831-1, IEC 70/7, UNE-EN 20827, UNE-EN 20010, BS 1650 |

#### Current measurement circuit

|                    |                    |
|--------------------|--------------------|
| Permanent overload | 1,3 I <sub>n</sub> |
|--------------------|--------------------|

#### Features / performance

|            |   |
|------------|---|
| Components | CS capacitor Contactors with pre-insertion block and fast discharge resistor<br>Protection at header via high cut-off power fuses (APR) |
|------------|---|

Switch and cable cross-section for installations with U<sub>n</sub>= 400 V. The installation company must ensure compliance with the low voltage directive at all times, in accordance with the particularities of each installation and type of cable

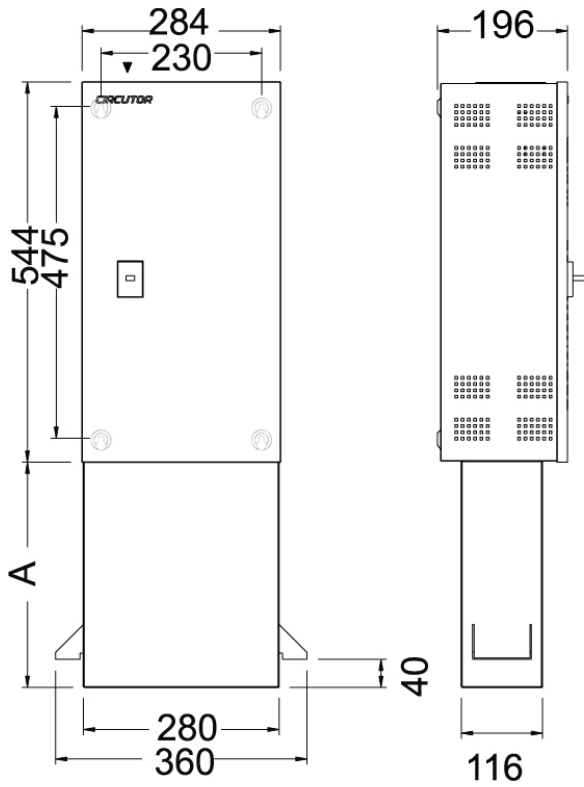


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## Dimensions



|               | A   |
|---------------|-----|
| ACF-40/CCF-40 | 324 |
| ACF-60/CCF-60 | 549 |
| ACF-80/CCF-80 | 699 |